

SEQUENCE LISTING

<110> Takeda Chemical Industries, Ltd.

<120> Novel Protein and its Production

<130> A98132

<150> JP 10-250108

<151> 1998-09-03

<160> 19

<210> 1

<211> 119

<212> PRT

<213> Human

<400> 1

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Met Ser Met Val Ser Ser Ser Leu Asn Pro Gly Val Ala Arg Gly His

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Arg Asp Arg Gly Gln Ala Ser Arg Arg Trp Leu Gln Glu Gly Gly Gln

35 40 45

Glu Cys Glu Cys Lys Asp Trp Phe Leu Arg Ala Pro Arg Arg Lys Phe

50 55 60

Met Thr Val Ser Gly Leu Pro Lys Lys Gln Cys Pro Cys Asp His Phe

65 70 75 80

Lys Gly Asn Val Lys Lys Thr Arg His Gln Arg His His Arg Lys Pro

85 90 95

Asn Lys His Ser Arg Ala Cys Gln Gln Phe Leu Lys Gln Cys Gln Leu

100 105 110

Arg Ser Phe Ala Leu Pro Leu

115 119

<210> 2

<211> 119

<212> PRT

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 85 90 95
 Gln Arg Pro Ser Arg Ala Cys Gln Gln Phe Leu Lys Arg Cys His Leu
 100 105 110
 Ala Ser Phe Ala Leu Pro Leu
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<210> 4

<211> 357

<212> DNA

<213> Human

<400> 4

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 TCTAGCAGCC TGAATCCAGG GGTCGCCAGA GGCCACAGGG ACCGAGGCCA GGCTTCTAGG 120
 AGATGGCTCC AGGAAGGCGG CCAAGAATGT GAGTGCAAAG ATTGGTTCCT GAGAGCCCCG 180
 AGAAGAAAAT TCATGACAGT GTCTGGGCTG CCAAAGAAGC AGTGCCCCTG TGATCATTTT 240
 AAGGGCAATG TGAAGAAAAC AAGACACCAA AGGCACCACA GAAAGCCAAA CAAGCATTCC 300
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 AGGTGGCTCT GGGAAGGTGG CCAAGAGTGT GACTGCAAAG ATTGGTCCCT GCGAGTCTCA 180
 AAGAGAAAAA CCACAGCAGT GCTGGAGCCA CCAAGGAAGC AGTGTCCCTG TGATCATGTC 240
 AAGGGCAGTG AGAAAAAGAA CAGACGCCAA AAGCACCACA GGAAGTCACA AAGGCCCTCC 300
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<212> DNA

<213> Mouse

<400> 6

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 AGGTGGCTCT TGGAAGGTGG CCAAGAATGT GAATGCAAAG ATTGGTTCCT GCAAGCCCCA 180
 AAGAGAAAAG CCACAGCAGT GCTGGGGCCA CCAAGGAAGCA GTGTCCCTG TGATCACGTC 240
 AAGGGCAGGG AGAAAAAAAA CAGACACCAA AAGCACCACA GGAAGTCGCA AAGACCCTCC 300
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<213> Human

<400> 7

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 20 25 30
 Trp Phe Leu Arg Ala Pro Arg Arg Lys Phe Met Thr Val Ser Gly Leu
 35 40 45
 Pro Lys Lys Gln Cys Pro Cys Asp His Phe Lys Gly Asn Val Lys Lys
 50 55 60
 Thr Arg His Gln Arg His His Arg Lys Pro Asn Lys His Ser Arg Ala
 65 70 75 80
 Cys Gln Gln Phe Leu Lys Gln Cys Gln Leu Arg Ser Phe Ala Leu Pro
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 Leu

97

<210> 8

<211> 97

<212> PRT

<213> Rat

<400> 8

Ser Pro Asn Gln Glu Val Ala Arg His His Gly Asp Gln His Gln Ala

1 5 10 15

Pro Arg Arg Trp Leu Trp Glu Gly Gly Gln Glu Cys Asp Cys Lys Asp

20 25 30

Trp Ser Leu Arg Val Ser Lys Arg Lys Thr Thr Ala Val Leu Glu Pro

35 40 45

Pro Arg Lys Gln Cys Pro Cys Asp His Val Lys Gly Ser Glu Lys Lys

50 55 60

Asn Arg Arg Gln Lys His His Arg Lys Ser Gln Arg Pro Ser Arg Thr

65 70 75 80

Cys Gln Gln Phe Leu Lys Arg Cys Gln Leu Ala Ser Phe Ala Leu Pro

85 90 95

Leu

97

<210> 9

<211> 97

<212> PRT

<213> Mouse

<400> 9

Ser Pro Asn Pro Gly Val Ala Arg Ser His Gly Asp Gln His Leu Ala

1 5 10 15

Pro Arg Arg Trp Leu Leu Glu Gly Gly Gln Glu Cys Glu Cys Lys Asp

20 25 30

Trp Phe Leu Gln Ala Pro Lys Arg Lys Ala Thr Ala Val Leu Gly Pro

35 40 45

Pro Arg Lys Gln Cys Pro Cys Asp His Val Lys Gly Arg Glu Lys Lys

50 55 60

Asn Arg His Gln Lys His His Arg Lys Ser Gln Arg Pro Ser Arg Ala

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Cys Gln Gln Phe Leu Lys Arg Cys His Leu Ala Ser Phe Ala Leu Pro

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Leu

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<212> DNA

<213> Human

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AAATTCATGA CAGTGTCTGG GCTGCCAAAG AAGCAGTGCC CCTGTGATCA TTTCAAGGGC 180
AATGTGAAGA AAACAAGACA CCAAAGGCAC CACAGAAAGC CAAACAAGCA TTCCAGAGCC 240
TGCCAGCAAT TTCTCAAACA ATGTCAGCTA AGAAGCTTTG CTCTGCCTTT G 291

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<211> 291

<212> DNA

<213> Rat

<400> 11

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CTCTGGGAAG GTGGCCAAGA GTGTGACTGC AAAGATTGGT CCCTGCGAGT CTCAAAGAGA 120
AAAACCACAG CAGTGCTGGA GCCACCAAGG AAGCAGTGTC CCTGTGATCA TGTCAAGGGC 180
AGTGAGAAAA AGAACAGACG CCAAAAGCAC CACAGGAAGT CACAAAGGCC CTCCAGAACC 240
TGCCAGCAAT TTCTCAAGCG ATGTCAACTA GCAAGCTTCG CCCTGCCCTT A 291

<210> 12

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<212> DNA

<213> Mouse

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 CTCTTGGAAG GTGGCCAAGA ATGTGAATGC AAAGATTGGT TCCTGCAAGC CCCAAAGAGA 120
 AAAGCCACAG CAGTGCTGGG GCCACCAAGG AAGCAGTGTC CCTGTGATCA CGTCAAGGGC 180
 AGGGAGAAAA AAAACAGACA CCAAAGCAC CACAGGAAGT CGCAAAGACC CTCCAGAGCC 240
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<212> DNA

<213> Artificial Sequence

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<212> DNA

<213> Artificial Sequence

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47

<210> 17

<211> 51

<212> DNA

<213> Artificial Sequence

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<223>

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CGCTCAGTCG ACCTACAAAG GCAGAGCAA GCTTCTTAGC TGACATTGTT T

51

<210> 18

<211> 66

<212> DNA

<213> Artificial Sequence

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<400> 18

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<210> 19

<211> 33

<212> DNA

<213> Artificial Sequence

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<223>

<400> 19

CAGAGTGTCTG AACTATAAG GGCAGGGCGA AGC

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